

DETAILED ACTION

Allowable Subject Matter

1. After further search and thorough examination of the present application and in view of the prior art of record, claims 1-13 are found to be in condition for allowance.

Reason for Allowance

2. The following is an examiner's statement of reasons for allowance: The present invention relates to a method and a device for allowing the verification of the integrity and the authentication of the origin of a radio communication signal.

To achieve the above-mentioned inventive goal, independent claim 1 identifies the distinct features "obtaining a seal from the useful information message using a determined sealing function through a seal calculation module, the seal forming a determined number p_l of said p transmission error verification bits where p_l is a number less than p , and calculating a cyclic redundancy code from the useful information message formed using the $p-p_l$ remaining transmission error verification bits through a channel coder."

Independent claims 7 and 13 identify the distinct features "means for transmitting in a determined frame a useful information message associated with a determined number p of transmission error verification bits also transmitted in said determined frame, and means for obtaining a seal from the useful information message using a determined sealing function, which seal forms a determined number p_l of said p transmission error verification bits, where p_l is a number less than p , the $p-p_l$ remaining bits forming a cyclic redundancy code calculated from the useful information message."

Art Unit: 2112

Dependent claims 2-6 depend from allowable independent claim 1, and dependent claims 8-12 depend from allowable independent claim 7, inherently include limitations therein. Therefore, they are allowed as well.

The first cited reference, Bonifas (U.S. Pat. No. 6,898,753) discloses a receiver which forms part of a communication system. The second cited reference, Bolourchi (U.S. Pat. No. 6,915,473) discloses a method and system for implicit user equipment identification.

However, many specific features disclosed in the instant application (No. 10/596,435) are neither anticipated nor render obvious by the prior art of record. Furthermore, the prior arts of record, taken singly or in combination, fail to teach, anticipate, suggest, or render obvious the foregoing limitations.

These limitations, in conjunction with all other limitations of the base claims were not shown by, would not have been obvious over, would not have been fairly suggested by the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fritz Alphonse, whose telephone number is (571) 272-3813. The examiner can normally be reached on M-F, 8:30-6:00, Alt. Mondays off.

Art Unit: 2112

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Scott Baderman, can be reached at (571) 272-3644.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-3824

Information regarding the status of an application may also be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Fritz Alphonse/

Primary Examiner, Art Unit 2112